

IN THE CLAIMS:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1-11 (Canceled).

12 (Currently Amended). A catheter having a proximal end and a distal end for use in a intraluminal treatment system wherein a treating element is advanced from the proximal end of the catheter to the distal end by ~~means~~ use of pressurized fluid, the catheter comprising:

first, second, third and fourth lumens extending substantially from the proximal end to the distal end of the catheter, the first lumen being sized to slidably receive the treating element but to prevent the treating element from exiting the first lumen at the distal end of the catheter, the first lumen being in fluid communication with the second and third lumens at the distal end thereof, and the fourth lumen being open at the distal end and sized to receive a guidewire.

13 (Original). The catheter of Claim 12 wherein the fourth lumen includes a protective liner.

14 (Currently Amended). The catheter of Claim ~~[[14]]~~ 13 wherein the protective liner is polyimide.

15 (Original). The catheter of Claim 12 wherein the proximal and distal ends of the catheter

are of different stiffness and flexibility, and the distal end has a cross-sectional area smaller than the proximal end of the catheter and a non-circular cross-sectional shape so as to permit perfusion.

16 (Original). The catheter of Claim 15 wherein the proximal end is fused to the distal end.

17 (Original). The catheter of Claim 15 wherein the proximal end and distal end are formed through a single variable extrusion.

18-23 (Canceled).